

Ex.7

a) `import java.util.Scanner;`

```
public class ex7 {  
    public static void main (String args[]) {  
  
        Scanner tastatura = new Scanner (System.in);  
  
        System.out.println ("n=");  
        int n = tastatura.nextInt();  
  
        int p = 1;  
        int s = 0;  
  
        for (int i = 1; i <= n; i++) {  
            s = s+(2*i-1);  
            p = p*(2*i-1);  
        }  
  
        System.out.println(s);  
        System.out.println(p);  
    }  
}
```

b) `import java.util.Scanner;`

```
public class ex7 {  
    public static void main (String args[]) {  
  
        Scanner tastatura = new Scanner (System.in);  
  
        System.out.println ("n=");  
        int n = tastatura.nextInt();  
  
        int p = 1;  
        int s = 0;  
  
        for (int i = 1; i <= n; i++) {  
            s = s+(2*i);  
            p = p*(2*i);  
        }  
  
        System.out.println(s);  
        System.out.println(p);  
    }  
}
```

```
c)import java.util.Scanner;

public class ex7 {
    public static void main (String args[]) {

        Scanner tastatura = new Scanner (System.in);

        System.out.println ("n=");
        int n = tastatura.nextInt();

        int p = 1;
        int s = 0;

        for (int i = 1; i <= n; i++) {
            s = s+(3*i);
            p = p*(3*i);
        }

        System.out.println(s);
        System.out.println(p);
    }
}
```

```
d)import java.util.Scanner;

public class ex7 {
    public static void main (String args[]) {

        Scanner tastatura = new Scanner (System.in);

        System.out.println ("n=");
        int n = tastatura.nextInt();

        int p = 1;
        int s = 0;

        for (int i = 1; i <= n; i++) {
            s = s+(4*i);
            p = p*(4*i);
        }

        System.out.println(s);
        System.out.println(p);
    }
}
```

```

import java.util.Scanner;

public class problema {

    public static void main (String args []) {

        Scanner tastatura = new Scanner(System.in);

        System.out.println("n=");

        double n = tastatura.nextInt();
        double i = 1;
        double s = 0;
        double p = 1;

        while(i <= n)
        {
            s += i/(i+1);
            p *= i/(i+1);

            i++;
        }

        System.out.println("suma=" +s);
        System.out.println("produsul=" +p);
    }
}

```

Ex. 8

```

import java.util.Scanner;

public class ex8 {

    public static void main (String args []) {

        Scanner tastatura = new Scanner(System.in);

        System.out.println("n=");

        double n = tastatura.nextInt();
        double i = 1;
        double s = 1;

        while(i <= n)
        {
            if(i % 2 == 0) {
                s += 1 / (i + 1);
            } else {
                s -= 1 / (i + 1);
            }

            i++;
        }

        System.out.println("suma=" +s);
    }
}

```